

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P558467

Luminaire Tested: **24CBRK-30HE-UNV-L840-CD1-U**

Issue Date: 7/20/2021



Test Information

Test Method: LM-79-08
Report Number: P558467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2105-259-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CBRK-30HE-UNV-L840-CD1-U
Description: 2X4 3000 LUMEN, HIGH EFFICACY, LED TROFFER RETROFIT KIT WITH 4000K AND 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

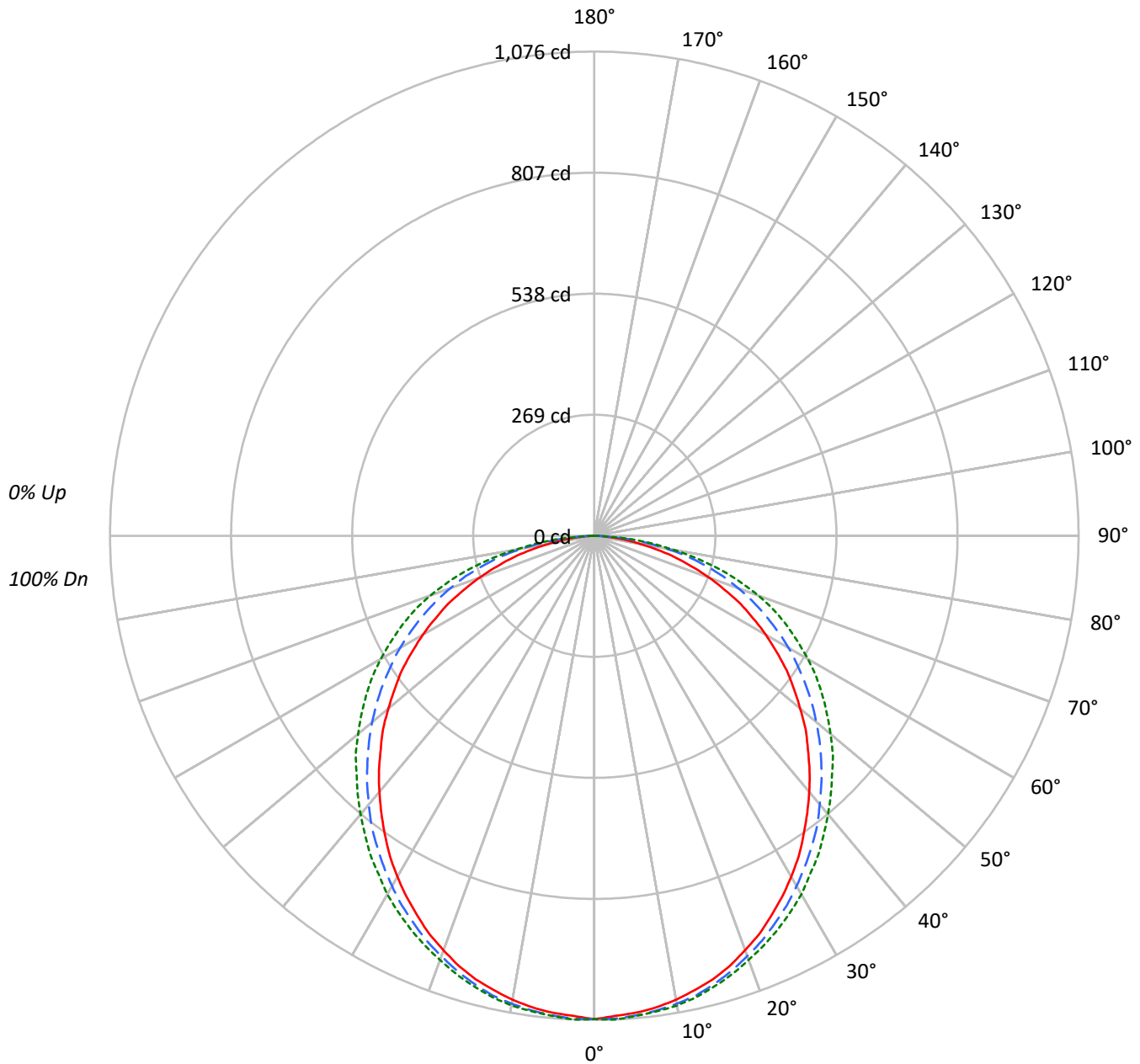
Lumens per Lamp: N/A
Luminaire Lumens: 3158.9 lumens
Efficiency: N/A
Efficacy: 164.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44
6	69	55	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1445	1445	1445
5°	1437	1445	1447
10°	1430	1443	1448
15°	1421	1436	1443
20°	1403	1423	1436
25°	1382	1410	1433
30°	1359	1397	1429
35°	1332	1383	1424
40°	1305	1368	1419
45°	1277	1357	1421
50°	1250	1348	1434
55°	1225	1342	1452
60°	1184	1343	1475
65°	1143	1337	1503
70°	1066	1338	1522
75°	972	1326	1502
80°	798	1240	1371
85°	525	1034	1142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	3.2
10°-20°	290.4	9.2
20°-30°	437.6	13.9
30°-40°	526.1	16.7
40°-50°	549.5	17.4
50°-60°	510.6	16.2
60°-70°	412.5	13.1
70°-80°	258.9	8.2
80°-90°	71.7	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	829.5	26.3
0°-40°	1355.6	42.9
0°-60°	2415.7	76.5
0°-90°	3158.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3158.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1064	1066	1070	1072	1071	101
15°	1020	1024	1031	1035	1036	287
25°	931	937	950	962	965	429
35°	811	821	842	859	867	508
45°	671	685	713	739	747	519
55°	522	536	572	606	619	465
65°	359	377	420	458	472	353
75°	187	213	255	282	289	196
85°	34	54	67	74	74	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1074.1	1074.1	1074.1	1074.1	1074.1
2.5°	1068.0	1070.0	1074.1	1076.1	1076.1
5°	1064.0	1066.0	1070.0	1072.1	1071.1
7.5°	1057.0	1060.0	1064.0	1066.0	1066.0
10°	1047.0	1050.0	1056.0	1060.0	1060.0
12.5°	1034.0	1038.0	1046.0	1049.0	1050.0
15°	1020.0	1024.0	1031.0	1035.0	1036.0
17.5°	1002.0	1006.0	1014.0	1019.0	1021.0
20°	980.0	985.0	994.0	1002.0	1003.0
22.5°	958.0	963.0	974.0	983.0	985.0
25°	931.0	937.0	950.0	962.0	965.0
27.5°	904.0	911.0	926.0	939.0	943.0
30°	875.0	883.0	899.0	914.0	920.0
32.5°	845.0	853.0	871.0	888.0	892.0
35°	811.0	821.0	842.0	859.0	867.0
37.5°	777.0	789.0	813.0	833.0	837.0
40°	743.0	755.0	779.0	802.0	808.0
42.5°	708.0	721.0	747.0	771.0	778.0
45°	671.0	685.0	713.0	739.0	747.0
47.5°	637.0	649.0	679.0	707.0	719.0
50°	597.0	612.0	644.0	674.0	685.0
52.5°	559.0	574.0	609.0	641.0	652.0
55°	522.0	536.0	572.0	606.0	619.0
57.5°	480.0	497.0	535.0	572.0	585.0
60°	440.0	457.0	499.0	536.0	548.0
62.5°	398.0	418.0	459.0	496.0	509.0
65°	359.0	377.0	420.0	458.0	472.0
67.5°	313.0	335.0	381.0	418.0	432.0
70°	271.0	293.0	340.0	376.0	387.0
72.5°	227.0	253.0	300.0	330.0	339.0
75°	187.0	213.0	255.0	282.0	289.0
77.5°	144.0	171.0	212.0	228.0	234.0
80°	103.0	133.0	160.0	173.0	177.0
82.5°	67.0	94.0	112.0	122.0	126.0
85°	34.0	54.0	67.0	74.0	74.0
87.5°	11.0	20.0	24.0	21.0	16.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)